

Technical note Electrochemical screening of organic inhibitors for corrosion of UNS N0400 in saturated monoethanolamine solution

A. Al-Hashem, J. A. Carew, and A. Hasan	310
Bengough Medal	2
Book reviews	106, 246
Conference reports	
Eurocorr '98	23, 99
Application of electrochemical techniques to organic coatings	104
Advances in corrosion protection by organic coatings	243
Common metal loss measurement for oil and gas industries	4
Corrosion news and views	1, 81, 153, 225
Cost of corrosion revisited	1
Electroceramic coating boosts light metal properties	156
Forthcoming corrosion events	15, 90, 162, 235
Oxidation resistant coatings for molybdenum electrodes developed at the Colorado School of Mines	13
Standards news	20, 95, 168, 241
US Air Force uses SQUIDS as aid to corrosion prediction	227

British Corrosion Journal

Author index 1999

F. M. Abd El Wahab <i>see</i> H. A. El Shayeb	37, 145	H. A. El Shayeb, F. M. Abd El Wahab, and S. Zein	
S. M. L. Agostinho <i>see</i> L. De Micheli	67	El Abedin	
M. Ajmal, J. Rawat, and M. A. Quraishi		Effect of some phenols on corrosion of Al, Cu, and	
Thioamides as novel class of corrosion inhibitors	220	Al-Cu alloys in NaOH solutions	145
M. Alagar, I. Mohammed Bilal, and V. Mohan		M. Erbil <i>see</i> I. Dehri	299
Silicate esters with additives as temporary protectives		W. S. Ernst <i>see</i> W. Skinner	79
on steel surfaces	75		
A. Al-Hashem, J. A. Carew, and A. Hasan		S. E. Filippakis <i>see</i> I. Kotzamanidi	285
Electrochemical screening of organic inhibitors for		R. Francis	
corrosion of UNS N0400 in saturated monoethanol-		Coupling of superduplex stainless steel and cast	
amine solution	310	nickel-aluminium bronze in sea water	139
G. C. Allen <i>see</i> L. Black	192	A. Frignani, C. Monticelli, and G. Trabanelli	
F. Al-Sabti <i>see</i> H. M. Shalaby	292	Influence of acetylenic derivatives on corrosion of	
A. H. P. Andrade <i>see</i> L. De Micheli	67	chromium and chromium containing steels in hot	
L. Aries <i>see</i> S. El Hajjaji	273	acid solutions	214
C. A. Barbosa <i>see</i> L. De Micheli	67	C. Y. Fu, J. S. Zheng, J. M. Zhao, and W. D. Xu	
A. M. Beccaria <i>see</i> F. Gnecco	57	Corrosion induced failures of oil tubulars from gas	
A. Ben Bachir <i>see</i> S. El Hajjaji	273	wells in Zhongyuan oil field	71
L. Black and G. C. Allen			
Nature of lead patination	192	B. Gaur and H. S. Srinivasan	
N. R. Buenfeld <i>see</i> A. M. Hassanein	254	Corrosion of metals and alloys in methane sulphonic	
J. A. Carew <i>see</i> A. Al-Hashem	310	acid	63
Y. F. Cheng, M. Wilmott, and J. L. Luo		G. K. Glass <i>see</i> A. M. Hassanein	254
Transition criterion of metastable pitting towards		F. Gnecco and A. M. Beccaria	
stability for carbon steel in chloride solutions	280	Corrosion behaviour of Al-Si ₃ SiC composite in sea	
		water	57
I. Dehri and M. Erbil		A. Hasan <i>see</i> A. Al-Hashem	310
Application of semi-ellipse model in impedance studies		A. A. Hasan <i>see</i> H. M. Shalaby	292
of corrosion of 63-37 brass in neutral aqueous solu-		A. M. Hassanein, G. K. Glass, and N. R. Buenfeld	
tions containing sulphate, ammonium, and chloride		Effect of intermittent cathodic protection on chloride	
ions	299	and hydroxyl concentration profiles in reinforced	
L. De Micheli, A. H. P. Andrade, C. A. Barbosa, and		concrete	254
S. M. L. Agostinho		A. A. Hermas	
Electrochemical studies of 254SMO stainless steel in		Polarisation of low phosphorus AISI 304 stainless	
comparison with 316L stainless steel and Hastelloy		steel in H ₂ SO ₄ containing arsenite	132
C276 in phosphoric acid media in absence and pres-		M. G. Hocking <i>see</i> P. S. Sidky	171
ence of chloride ions	67	T. Hodgkiess <i>see</i> A. Neville	262
Ts. Dobrev <i>see</i> M. Petrova	198		
F. du Preez <i>see</i> W. Skinner	151	N. C. Jackson <i>see</i> M. J. Robinson	45
R. S. Dutta and R. Tewari		M.-Z. Joe and D.-R. Kim	
Microstructural and corrosion aspects of alloy 690	201	Characterisation of sensitisation of type 409 stainless	
S. El Hajjaji, M.-T. Maurette, E. Puech-Costes, A. Ben		steel	210
Bachir, and L. Aries		E. Johansson and C. Leygraf	
Optimisation of conversion coatings in phosphoric		Corrosion measurements of silver and copper in	
acid media using statistical experimental designs	273	indoor atmospheres using different evaluation tech-	
H. A. El Shayeb, F. M. Abd El Wahab, and S. Zein		niques	27
El Abedin		G. D. Kaniyas <i>see</i> I. Kotzamanidi	285
Electrochemical behaviour of Al, Cu, and Al-Cu		D.-R. Kim <i>see</i> M.-Z. Joe	210
alloys in NaOH and HCl solutions	37	C. Kollia <i>see</i> I. Kotzamanidi	285

I. Kotzamanidi, Em. Sarris, P. Vassiliou, C. Kollia, G. D. Kaniias, G. J. Varoufakis, and S. E. Filippakis	
Effect of heat treatment in reducing plasma environments on chloride ion removal and corrosion of oxidised steel artefacts	285
N. Kouloumbi, G. M. Tsangaris, S. T. Kyvelidis, and G. C. Psarras	
Composite coatings and their performance in corrosive environment	267
S. Król	
Influence of pores on high temperature oxidation of titanium and Ti-3Cu alloy	206
S. T. Kyvelidis see N. Kouloumbi	267
C. Leygraf see E. Johansson	27
M. Lujá see L. Veleva	34
J. L. Luo see Y. F. Cheng	280
M.-T. Maurette see S. El Hajjaji	273
I. Mohammed Bilal see M. Alagar	75
V. Mohan see M. Alagar	75
C. Monticelli see A. Frignani	214
A. Neville and T. Hodgkiess	
Towards novel ceramic base coatings for corrosive wear applications	262
Z. Noncheva see M. Petrova	198
M. Petrova, Y. Stefanov, Z. Noncheva, Ts. Dobrev, and St. Rashkov	
Electrochemical behaviour of lead alloys as anodes in zinc electrowinning	198
G. C. Psarras see N. Kouloumbi	267
E. Puech-Costes see S. El Hajjaji	273
M. A. Quraishi see M. Ajmal	220
St. Rashkov see M. Petrova	198
J. Rawat see M. Ajmal	220
M. J. Robinson and N. C. Jackson	
Exfoliation corrosion of high strength Al-Cu-Mg alloys: effect of grain structure	45
Em. Sarris see I. Kotzamanidi	285
M. Saxena see S. Tiwari	184
H. M. Shalaby, A. A. Hasan, and F. Al-Sabti	
Effects of inorganic sulphide and ammonia on microbial corrosion behaviour of 70Cu-30Ni alloy in sea water	292
B. Shone see E. Slavcheva	125
P. S. Sidky and M. G. Hocking	
Review of inorganic coatings and coating processes for reducing wear and corrosion	171
W. Skinner and W. S. Ernst	
Influence of flow conditions on corrosion characteristics of mild steel rotating cylinder in solutions of fatty acids	79
W. Skinner, F. du Preez, and E. Vuorinen	
Evaluation of vapour phase corrosion inhibitors	151
E. Slavcheva, B. Shone, and A. Turnbull	
Review of naphthenic acid corrosion in oil refining	125
L. Smith	
Control of corrosion in oil and gas production tubing	247
E. F. C. Somerscales	
Fundamentals of corrosion fouling	109
H. S. Srinivasan see B. Gaur	63
Y. Stefanov see M. Petrova	198
R. Tewari see R. S. Dutta	201
S. Tiwari and M. Saxena	
Use of fly ash in high performance industrial coatings	184
G. Trabanelli see A. Frignani	214
G. M. Tsangaris see N. Kouloumbi	267
A. Turnbull see E. Slavcheva	125
G. J. Varoufakis see I. Kotzamanidi	285
P. Vassiliou see I. Kotzamanidi	285
L. Veleva and M. Lujá	
Scanning electron microscopy characterisation of copper corrosion products (patina) formed in tropical humid climate	34
E. Vuorinen see W. Skinner	151
R. Walker	
Oxidation behaviour up to 550°C of tin bronze pretreated with benzotriazole	304
M. Wilmott see Y. F. Cheng	280
W. D. Xu see C. Y. Fu	71
P. N. S. Yadav	
Molecular structure of heterocyclic compounds and their inhibitive action for corrosion of grade 1100 aluminium in dilute HCl	51
S. Zein El Abedin see H. A. El Shayeb	37, 145
J. M. Zhao see C. Y. Fu	71
J. S. Zheng see C. Y. Fu	71

British Corrosion Journal

Abrasion	
Use of fly ash in high performance industrial coatings	
Tiwari and Saxena	184
Acetylenic alcohols	
Influence of acetylenic derivatives on corrosion of chromium and chromium containing steels in hot acid solutions	214
Frignani <i>et al.</i>	
Activation energy	
Molecular structure of heterocyclic compounds and their inhibitive action for corrosion of grade 1100 aluminium in dilute HCl	51
Yadav	
Adsorption	
Molecular structure of heterocyclic compounds and their inhibitive action for corrosion of grade 1100 aluminium in dilute HCl	51
Yadav	
Alloy 690	
Microstructural and corrosion aspects of alloy 690	201
Dutta and Tewari	

Subject index 1999

Alumina	
Optimisation of conversion coatings in phosphoric acid media using statistical experimental designs	
El Hajjaji <i>et al.</i>	273
Aluminium and aluminium alloys	
Electrochemical behaviour of Al, Cu, and Al-Cu alloys in NaOH and HCl solutions	37
El Shayeb <i>et al.</i>	
Exfoliation corrosion of high strength Al-Cu-Mg alloys: effect of grain structure	45
Robinson and Jackson	
Molecular structure of heterocyclic compounds and their inhibitive action for corrosion of grade 1100 aluminium in dilute HCl	51
Yadav	
Effect of some phenols on corrosion of Al, Cu, and Al-Cu alloys in NaOH solutions	145
El Shayeb <i>et al.</i>	
Aluminium composites	
Corrosion behaviour of Al-Si/SiC composite in sea water	57
Gnecco and Beccaria	
Aluminium-copper alloys	
Electrochemical behaviour of Al, Cu, and Al-Cu alloys in NaOH and HCl solutions	37
El Shayeb <i>et al.</i>	

Effect of some phenols on corrosion of Al, Cu, and Al-Cu alloys in NaOH solutions El Shayeb <i>et al.</i>	145	Conversion coatings	
Arsenic		Optimisation of conversion coatings in phosphoric acid media using statistical experimental designs El Hajjaji <i>et al.</i>	273
Polarisation of low phosphorus AISI 304 stainless steel in H ₂ SO ₄ containing arsenite Hermas	132	Copper	
Atmospheric corrosion		Corrosion measurements of silver and copper in indoor atmospheres using different evaluation techniques Johansson and Leygraf	27
Corrosion measurements of silver and copper in indoor atmospheres using different evaluation techniques Johansson and Leygraf	27	Scanning electron microscopy characterisation of copper corrosion products (patina) formed in tropical humid climate Veleva and Luja	34
Atmospheric pollution hydrocerussite		Electrochemical behaviour of Al, Cu, and Al-Cu alloys in NaOH and HCl solutions El Shayeb <i>et al.</i>	37
Nature of lead patination Black and Allen	192	Effect of some phenols on corrosion of Al, Cu, and Al-Cu alloys in NaOH solutions El Shayeb <i>et al.</i>	145
Benzotriazole		Copper-nickel alloys	
Oxidation behaviour up to 550 °C of tin bronze pre-treated with benzotriazole Walker	304	Effects of inorganic sulphide and ammonia on microbial corrosion behaviour of 70Cu-30Ni alloy in sea water Shalaby <i>et al.</i>	292
Brass		Corrosion fouling	
Application of semi-ellipse model in impedance studies of corrosion of 63-37 brass in neutral aqueous solutions containing sulphate, ammonium, and chloride ions Dehri and Erbil	299	Fundamentals of corrosion fouling Somerscales	109
Carbon dioxide		Corrosion resistant alloys	
Corrosion induced failures of oil tubulars from gas wells in Zhongyuan oil field Fu <i>et al.</i>	71	Control of corrosion in oil and gas production tubing Smith	247
Cathodic protection		Crude oils	
Effect of intermittent cathodic protection on chloride and hydroxyl concentration profiles in reinforced concrete Hassanein <i>et al.</i>	254	Review of naphthenic acid corrosion in oil refining Slavcheva <i>et al.</i>	125
Cathodic reduction		Diffusion	
Corrosion measurements of silver and copper in indoor atmospheres using different evaluation techniques Johansson and Leygraf	27	Influence of pores on high temperature oxidation of titanium and Ti-3Cu alloy Król	206
Cement		Electrochemical behaviour	
Effect of intermittent cathodic protection on chloride and hydroxyl concentration profiles in reinforced concrete Hassanein <i>et al.</i>	254	Electrochemical behaviour of Al, Cu, and Al-Cu alloys in NaOH and HCl solutions El Shayeb <i>et al.</i>	37
Cermet		Electrochemical impedance	
Towards novel ceramic base coatings for corrosive wear applications Neville and Hodgkiess	262	Corrosion behaviour of Al-Si/SiC composite in sea water Gnecco and Beccaria	57
Chlorides		Thioamides as novel class of corrosion inhibitors Ajmal <i>et al.</i>	220
Effect of intermittent cathodic protection on chloride and hydroxyl concentration profiles in reinforced concrete Hassanein <i>et al.</i>	254	Composite coatings and their performance in corrosive environment Kouloumbi <i>et al.</i>	267
Effect of heat treatment in reducing plasma environments on chloride ion removal and corrosion of oxidised steel artefacts Kotzamanidi <i>et al.</i>	285	Application of semi-ellipse model in impedance studies of corrosion of 63-37 brass in neutral aqueous solutions containing sulphate, ammonium, and chloride ions Dehri and Erbil	299
Chromium and chromium alloys		Electrochemical screening of organic inhibitors for corrosion of UNS N0400 in saturated monoethanolamine solution Al-Hashem <i>et al.</i>	310
Influence of acetylenic derivatives on corrosion of chromium and chromium containing steels in hot acid solutions Frignani <i>et al.</i>	214	Electrochemical measurement	
Chromium carbides		Effects of inorganic sulphide and ammonia on microbial corrosion behaviour of 70Cu-30Ni alloy in sea water Shalaby <i>et al.</i>	292
Microstructural and corrosion aspects of alloy 690 Dutta and Tewari	201	Electrochemical noise	
Chromium carbonitride		Transition criterion of metastable pitting towards stability for carbon steel in chloride solutions Cheng <i>et al.</i>	280
Characterisation of sensitisation of type 409 stainless steel Joe and Kim	210	Electrolytic deposits	
Coatings		Optimisation of conversion coatings in phosphoric acid media using statistical experimental designs El Hajjaji <i>et al.</i>	273
Review of inorganic coatings and coating processes for reducing wear and corrosion Sidky and Hocking	171	Electrowinning	
Use of fly ash in high performance industrial coatings Tiwari and Saxena	184	Electrochemical behaviour of lead alloys as anodes in zinc electrowinning Petrova <i>et al.</i>	198
Towards novel ceramic base coatings for corrosive wear applications Neville and Hodgkiess	262	Enamels	
Cobalt		Use of fly ash in high performance industrial coatings Tiwari and Saxena	184
Electrochemical behaviour of lead alloys as anodes in zinc electrowinning Petrova <i>et al.</i>	198	Environments	
Composite coatings		Acids	
Composite coatings and their performance in corrosive environment Kouloumbi <i>et al.</i>	267	Influence of acetylenic derivatives on corrosion of chromium and chromium containing steels in hot acid solutions Frignani <i>et al.</i>	214
Concrete		Thioamides as novel class of corrosion inhibitors Ajmal <i>et al.</i>	220
Effect of intermittent cathodic protection on chloride and hydroxyl concentration profiles in reinforced concrete Hassanein <i>et al.</i>	254		

Ammonium		
Application of semi-ellipse model in impedance studies of corrosion of 63-37 brass in neutral aqueous solutions containing sulphate, ammonium, and chloride ions Dehri and Erbil	299	
Chlorides		
Electrochemical studies of 254SMO stainless steel in comparison with 316L stainless steel and Hastelloy C276 in phosphoric acid media in absence and presence of chloride ions De Micheli <i>et al.</i>	67	
Application of semi-ellipse model in impedance studies of corrosion of 63-37 brass in neutral aqueous solutions containing sulphate, ammonium, and chloride ions Dehri and Erbil	299	
Fatty acids		
Influence of flow conditions on corrosion characteristics of mild steel rotating cylinder in solutions of fatty acids Skinner and Ernst	79	
Phosphoric acid		
Electrochemical studies of 254SMO stainless steel in comparison with 316L stainless steel and Hastelloy C276 in phosphoric acid media in absence and presence of chloride ions De Micheli <i>et al.</i>	67	
Optimisation of conversion coatings in phosphoric acid media using statistical experimental designs El Hajjaji <i>et al.</i>	273	
Reducing plasma		
Effect of heat treatment in reducing plasma environments on chloride ion removal and corrosion of oxidised steel artefacts Kotzamanidi <i>et al.</i>	285	
Sea water		
Corrosion behaviour of Al-Si/SiC composite in sea water Gnecco and Beccaria	57	
Silicate esters with additives as temporary protectives on steel surfaces Alagar <i>et al.</i>	75	
Coupling of superduplex stainless steel and cast nickel-aluminium bronze in sea water Francis	139	
Towards novel ceramic base coatings for corrosive wear applications Neville and Hodgkiess	262	
Effects of inorganic sulphide and ammonia on microbial corrosion behaviour of 70Cu-30Ni alloy in sea water Shalaby <i>et al.</i>	292	
Sodium hydroxide		
Effect of some phenols on corrosion of Al, Cu, and Al-Cu alloys in NaOH solutions El Shayeb <i>et al.</i>	145	
Equivalent electrical circuits		
Application of semi-ellipse model in impedance studies of corrosion of 63-37 brass in neutral aqueous solutions containing sulphate, ammonium, and chloride ions Dehri and Erbil	299	
Exfoliation		
Exfoliation corrosion of high strength Al-Cu-Mg alloys: effect of grain structure Robinson and Jackson	45	
Extenders		
Use of fly ash in high performance industrial coatings Tiwari and Saxena	184	
Flow conditions		
Influence of flow conditions on corrosion characteristics of mild steel rotating cylinder in solutions of fatty acids Skinner and Ernst	79	
Fly ash		
Use of fly ash in high performance industrial coatings Tiwari and Saxena	184	
Galvanic corrosion		
Coupling of superduplex stainless steel and cast nickel-aluminium bronze in sea water Francis	139	
Gas wells		
Corrosion induced failures of oil tubulars from gas wells in Zhongyuan oil field Fu <i>et al.</i>	71	
Grain structure		
Exfoliation corrosion of high strength Al-Cu-Mg alloys: effect of grain structure Robinson and Jackson	45	
Heat treatment		
Effect of heat treatment in reducing plasma environments on chloride ion removal and corrosion of oxidised steel artefacts Kotzamanidi <i>et al.</i>	285	
Heterocyclic compounds		
Molecular structure of heterocyclic compounds and their inhibitive action for corrosion of grade 1100 aluminium in dilute HCl Yadav	51	
Hydrogen adsorption		
Polarisation of low phosphorus AISI 304 stainless steel in H ₂ SO ₄ containing arsenite Hermas	132	
Hydrogenation		
Polarisation of low phosphorus AISI 304 stainless steel in H ₂ SO ₄ containing arsenite Hermas	132	
Inhibitors and inhibition		
Molecular structure of heterocyclic compounds and their inhibitive action for corrosion of grade 1100 aluminium in dilute HCl Yadav	51	
Corrosion of metals and alloys in methane sulphonic acid Gaur and Srinivasan	63	
Corrosion induced failures of oil tubulars from gas wells in Zhongyuan oil field Fu <i>et al.</i>	71	
Silicate esters with additives as temporary protectives on steel surfaces Alagar <i>et al.</i>	75	
Evaluation of vapour phase corrosion inhibitors Skinner <i>et al.</i>	151	
Influence of acetylenic derivatives on corrosion of chromium and chromium containing steels in hot acid solutions Frignani <i>et al.</i>	214	
Thioamides as novel class of corrosion inhibitors Ajmal <i>et al.</i>	220	
Oxidation behaviour up to 550°C of tin bronze pre-treated with benzotriazole Walker	304	
Electrochemical screening of organic inhibitors for corrosion of UNS N0400 in saturated monoethanolamine solution Al-Hashem <i>et al.</i>	310	
Inorganic coatings		
Review of inorganic coatings and coating processes for reducing wear and corrosion Sidky and Hocking	171	
Interfaces		
Microstructural and corrosion aspects of alloy 690 Dutta and Tewari	201	
Intergranular corrosion		
Characterisation of sensitisation of type 409 stainless steel Joe and Kim	210	
Lead alloys		
Electrochemical behaviour of lead alloys as anodes in zinc electrowinning Petrova <i>et al.</i>	198	
Lead patination		
Nature of lead patination Black and Allen	192	
Lead sulphate		
Nature of lead patination Black and Allen	192	
Lead sulphite		
Nature of lead patination Black and Allen	192	
Mass increase		
Corrosion measurements of silver and copper in indoor atmospheres using different evaluation techniques Johansson and Leygraf	27	
Mass loss		
Corrosion measurements of silver and copper in indoor atmospheres using different evaluation techniques Johansson and Leygraf	27	
Material selection		
Control of corrosion in oil and gas production tubing Smith	247	
Methane sulphonic acid		
Corrosion of metals and alloys in methane sulphonic acid Gaur and Srinivasan	63	
Microbial corrosion		
Effects of inorganic sulphide and ammonia on microbial corrosion behaviour of 70Cu-30Ni alloy in sea water Shalaby <i>et al.</i>	292	
Modelling		
Fundamentals of corrosion fouling Somerscales	109	

Monoethanolamine solutions			
Electrochemical screening of organic inhibitors for corrosion of UNS N0400 in saturated monoethanolamine solution Al-Hashem <i>et al.</i>	310		
Naphthenic acid			
Review of naphthenic acid corrosion in oil refining Slavcheva <i>et al.</i>	125		
Nickel alloys			
Corrosion of metals and alloys in methane sulphonic acid Gaur and Srinivasan	63		
Electrochemical screening of organic inhibitors for corrosion of UNS N0400 in saturated monoethanolamine solution Al-Hashem <i>et al.</i>	310		
Nickel-aluminium bronze			
Coupling of superduplex stainless steel and cast nickel-aluminium bronze in sea water Francis	139		
Oil and gas production			
Control of corrosion in oil and gas production tubing Smith	247		
Oil pipes			
Corrosion induced failures of oil tubulars from gas wells in Zhongyuan oil field Fu <i>et al.</i>	71		
Oil refining			
Review of naphthenic acid corrosion in oil refining Slavcheva <i>et al.</i>	125		
Optimisation			
Optimisation of conversion coatings in phosphoric acid media using statistical experimental designs El Hajjaji <i>et al.</i>	273		
Oxidation			
Effect of heat treatment in reducing plasma environments on chloride ion removal and corrosion of oxidised steel artefacts Kotzamanidi <i>et al.</i>	285		
Oxidation behaviour up to 550°C of tin bronze pretreated with benzotriazole Walker	304		
Oxidation kinetics			
Influence of pores on high temperature oxidation of titanium and Ti-3Cu alloy Król	206		
Oxygenated water			
Fundamentals of corrosion fouling Somerscales	109		
Passivation			
Microstructural and corrosion aspects of alloy 690 Dutta and Tewari	201		
Phenols			
Effect of some phenols on corrosion of Al, Cu, and Al-Cu alloys in NaOH solutions El Shayeb <i>et al.</i>	145		
Pit stabilisation			
Transition criterion of metastable pitting towards stability for carbon steel in chloride solutions Cheng <i>et al.</i>	280		
Pitting			
Microstructural and corrosion aspects of alloy 690 Dutta and Tewari	201		
Transition criterion of metastable pitting towards stability for carbon steel in chloride solutions Cheng <i>et al.</i>	280		
Polarisation			
Polarisation of low phosphorus AISI 304 stainless steel in H ₂ SO ₄ containing arsenite Hermas	132		
Pores			
Influence of pores on high temperature oxidation of titanium and Ti-3Cu alloy Król	206		
Potentiodynamic polarisation			
Thioamides as novel class of corrosion inhibitors Ajmal <i>et al.</i>	220		
Primers			
Use of fly ash in high performance industrial coatings Tiwari and Saxena	184		
Raman spectroscopy			
Nature of lead patination Black and Allen	192		
Refractory metals			
Corrosion of metals and alloys in methane sulphonic acid Gaur and Srinivasan	63		
Resistance measurements			
Corrosion measurements of silver and copper in indoor atmospheres using different evaluation techniques Johansson and Leygraf	27		
Scanning electron microscopy			
Scanning electron microscopy characterisation of copper corrosion products (patina) formed in tropical humid climate Veleva and Luja	34		
Second anodic current maximum			
Polarisation of low phosphorus AISI 304 stainless steel in H ₂ SO ₄ containing arsenite Hermas	132		
Sensitisation			
Characterisation of sensitisation of type 409 stainless steel Joe and Kim	210		
Silicate esters			
Silicate esters with additives as temporary protectives on steel surfaces Alagar <i>et al.</i>	75		
Silver			
Corrosion measurements of silver and copper in indoor atmospheres using different evaluation techniques Johansson and Leygraf	27		
Steels			
Carbon steels			
Transition criterion of metastable pitting towards stability for carbon steel in chloride solutions Cheng <i>et al.</i>	280		
Duplex stainless steels			
Coupling of superduplex stainless steel and cast nickel-aluminium bronze in sea water Francis	139		
Mild steel			
Silicate esters with additives as temporary protectives on steel surfaces Alagar <i>et al.</i>	75		
Influence of flow conditions on corrosion characteristics of mild steel rotating cylinder in solutions of fatty acids Skinner and Ernst	79		
Evaluation of vapour phase corrosion inhibitors Skinner <i>et al.</i>	151		
Stainless steels			
Corrosion of metals and alloys in methane sulphonic acid Gaur and Srinivasan	63		
Electrochemical studies of 254SMO stainless steel in comparison with 316L stainless steel and Hastelloy C276 in phosphoric acid media in absence and presence of chloride ions De Micheli <i>et al.</i>	67		
Polarisation of low phosphorus AISI 304 stainless steel in H ₂ SO ₄ containing arsenite Hermas	132		
Type 409 stainless steel			
Characterisation of sensitisation of type 409 stainless steel Joe and Kim	210		
Sulphate reducing bacteria			
Effects of inorganic sulphide and ammonia on microbial corrosion behaviour of 70Cu-30Ni alloy in sea water Shalaby <i>et al.</i>	292		
Temporary protectives			
Silicate esters with additives as temporary protectives on steel surfaces Alagar <i>et al.</i>	75		
Thermal spraying			
Towards novel ceramic base coatings for corrosive wear applications Neville and Hodgkiss	262		
Thioamides			
Thioamides as novel class of corrosion inhibitors Ajmal <i>et al.</i>	220		
Time-temperature-sensitisation diagrams			
Characterisation of sensitisation of type 409 stainless steel Joe and Kim	210		
Tin bronze			
Oxidation behaviour up to 550°C of tin bronze pretreated with benzotriazole Walker	304		

Titanium			
Influence of pores on high temperature oxidation of titanium and Ti-3Cu alloy Król	206		
Titanium carbonitride			
Characterisation of sensitisation of type 409 stainless steel Joe and Kim	210		
Titanium nitrides			
Microstructural and corrosion aspects of alloy 690 Dutta and Tewari	201		
Tropical climates			
Scanning electron microscopy characterisation of copper corrosion products (patina) formed in tropical humid climate Veleva and Luja	34		
		Tubing	
		Control of corrosion in oil and gas production tubing Smith	247
		Vapour phase	
		Evaluation of vapour phase corrosion inhibitors Skinner <i>et al.</i>	151
		Wear	
		Review of inorganic coatings and coating processes for reducing wear and corrosion Sidky and Hocking	171
		Zinc	
		Electrochemical behaviour of lead alloys as anodes in zinc electrowinning Petrova <i>et al.</i>	198

